



Docket No.: 06005/38043A (PATENT)

HE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Letters Patent of: Ashish Mehta et al.

Patent No.: 7,050,863

Issued: May 23, 2006

For: INTEGRATED MODEL PREDICTIVE

CONTROL AND OPTIMIZATION WITHIN A

PROCESS CONTROL SYSTEM

or Correction REQUEST FOR CERTIFICATE OF CORRECTION PURSUANT TO 37 CFR 1.323

Attention: Certificate of Correction Branch Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Upon reviewing the above-identified patent, Patentee noted typographical errors which should be corrected.

On the First Page:

In the Declaration, page 2, First Inventor, PTO error, "Austin" should be --Round Rock --.

On the Second Page:

In the IDS, Sheet 2, Reference 28, PTO error, ";No." should be -- No. --.

In the Drawings:

02/15/2007 CNEGA1

00000030 7050863

01 FC:1811

100.00 OP

At Sheet 3, Fig. 3, 6th text box, Applicant error, "AUXILLARY" should be --AUXILIARY --.

FEB 2 1 2007

At Sheet 4, Fig. 4, 4th text box, Applicant error, "AUXILLARY" should be -- AUXILIARY --.

At Sheet 10, Fig. 10, the right side header, Applicant error, "Constrain" should be -- Constraint --.

In the Specification:

At page 1, line 29, PTO error, "process;" should be -- process, --.

At page 2, line 32, Applicant error, "multiple output" should be -- multiple-output --.

At page 5, lines 19-20, Applicant error, "multiple output" should be -- multiple-output --.

At page 6, line 11, Applicant error, "an process" should be -- a process --.

At page 6, line 12, Applicant error, "integrate" should be -- integrates --.

At page 6, line 25, Applicant error, "n" should be -- in --.

At page 11, line 16, Applicant error, "and a" should be -- and an --.

At page 14, line 2, Applicant error, "an" should be --a --.

At page 14, line 14, PTO error, "Q=P^tA* Δ MV+C^t Δ MV" should be --Q=P^t*A* Δ MV+C^t Δ MV --.

At page 32, line 7, PTO error, "ATA" should be -- A^TA --.

At page 36, line 14, Applicant error, "ones" should be -- one --.

At page 38, line 7, Applicant error, "an target" should be -- a target --.

In the Claims:

At page 44, Claim 10, line 3, Applicant error, "response information response information" should be -- response information --.

At page 47, Claim 22, line 17 of that page, Applicant error, "variables and;" should be -- variables; and --.

At page 48, Claim 25, line 17, Applicant error, "multiple output" should be -- multiple-output --.

At page 50, Claim 29, line 3 of that page, Applicant error, "multiple output" should be -- multiple-output --.

At page 50, Claim 30, line 7, Applicant error, "multiple output" should be -- multiple-output --.

At page 51, Claim 31, line 7, Applicant error, "multiple output" should be -- multiple-output --.

The errors were found in the application as filed by applicant. Our check in the amount of \$100.00 covering the fee set forth in 37 CFR 1.20(a) is enclosed.

The errors now sought to be corrected are inadvertent typographical errors the correction of which does not involve new matter or require reexamination.

Transmitted herewith is a proposed Certificate of Correction effecting such amendment. Patentee respectfully solicits the granting of the requested Certificate of Correction.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 13-2855, under Order No. 06005/38043A. A duplicate copy of this paper is enclosed.

Dated: February 12, 2007

Respectfully submitted,

Roger A. Heppermann

Registration No.: 37,641

MARSHALL, GERSTEIN & BORUN LLP

233 S. Wacker Drive, Suite 6300

Sears Tower

Chicago, Illinois 60606-6357

(312) 474-6300

Attorney for Applicants

MI Reserved Sedurities Act of 1995	U.S. Patent and Trade	mark Office: U.S. DE.	PTO/SB/17 (07-06) 01/31/2007. OMB 0651-0032 PARTMENT OF COMMERCE
der the Paperwork Reduction Act of 1995, no person are required to			
Effective on 12/08/2004. Sees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).	Application Number	Patent#: 7,050,863	
FEE TRANSMITTAL	Filing Date	Issued: May 23, 2006	
	First Named Inventor	Ashish Mehta	0, 2000
For FY 2006	Examiner Name	Not Yet Assigned	
Applicant claims small entity status. See 37 CFR 1.27		0.400	
TOTAL AMOUNT OF PAYMENT (\$) 100.00	Art Unit Attorney Docket No.	′06005/38043A	
METHOD OF PAYMENT (check all that apply)			
x Check Credit Card Money Order None Other (please identify):			
Deposit Account Deposit Account Number: 13-2855 Deposit Account Name: MARSHALL, GERSTEIN & BORUN LLP			
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)			
Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee			
Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17			
FEE CALCULATION			
1. BASIC FILING, SEARCH, AND EXAMINATION FEES			
	ARCH FEES EXAM	INATION FEES	
Small Entity	Small Entity	Small Entity	
Application Type Fee (\$) Fee (\$) Fee (\$)	· 		Fees Paid (\$)
Utility 300 150 500		100	
Design 200 . 100 100	50 130	65	
Plant 200 100 300	150 160	80	
Reissue 300 150 500	250 600	300	
Provisional 200 100 0	0 0	. 0	
2. EXCESS CLAIM FEES			Small Entity Fee (\$) Fee (\$)
Fee Description Each claim over 20 (including Reissues)			7
Each independent claim over 3 (including Reissues)		•	50 25
Multiple dependent claims			200 100 360 180
• •	Paid (\$)	Multiple Depende	
= x =			Fee Paid (\$)
HP = highest number of total claims paid for, if greater than 20.		<u>cc (4)</u>	co i aia (v)
Indep. Claims	 Paid (\$)		
x =x			
HP = highest number of independent claims paid for, if greater than 3.			
3. APPLICATION SIZE FEE			
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer			
listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$)			
- 100 = /50 (round up to a whole number) x =			
4. OTHER FEE(S) Fees Paid (\$)			
Non-English Specification, \$130 fee (no small entity discount)			
Other (e.g., late filing surcharge): 1811 Certificate of correction 100.00			
SUBMITTED BY			
Signature Tuun	Registration No. 37,641	Telephone	(312) 474-6300
	(Attorney/Agent) 37,041		/2 / 47
Name (Print/Type) Roger A. Heppermann Date 2//2/07			

FEB 2 1 2001



Docket No.: 06005/38043A

(PATENT)

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Patent No.: 7,050,863

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In the Claims:

At page 44, Claim 10, line 3, Applicant error, "response information response information" should be -- response information --.

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At page 48, Claim 25, line 17, Applicant error, "multiple output" should be -- multiple-output --.

At page 50, Claim 29, line 3 of that page, Applicant error, "multiple output" should be -- multiple-output --.

At page 50, Claim 30, line 7, Applicant error, "multiple output" should be -- multiple-output --.

At page 51, Claim 31, line 7, Applicant error, "multiple output" should be -- multiple-output --.

The errors were found in the application as filed by applicant. Our check in the amount of \$100.00 covering the fee set forth in 37 CFR 1.20(a) is enclosed.

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Patent No.: 7,050,863 Docket No.: 06005/38043A

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 13-2855, under Order No. 06005/38043A. A duplicate copy of this paper is enclosed.

Dated: February 12, 2007

Respectfully submitted,

Roger A. Heppermann

Registration No.: 37,641

MARSHALL, GERSTEIN & BORUN LLP

233 S. Wacker Drive, Suite 6300

Sears Tower

Chicago, Illinois 60606-6357

(312) 474-6300

Attorney for Applicants

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page _1_ of _2_

PATENT NO.

7,050,863

APPLICATION NO.

10/627,362

ISSUE DATE

May 23, 2006

INVENTOR(S)

Ashish Mehta et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the First Page:

At line (75), 1st Inventor, "Austin" should be -- Round Rock --.

On the Second Page:

At line (56), Other Publications, 18th Reference, ";No." should be -- No. --.

In the Drawings:

At Sheet 3, 6th text box, "AUXILLARY" should be -- AUXILIARY --.

At Sheet 4, 4th text box, "AUXILLARY" should be -- AUXILIARY --.

At Sheet 10, the header on the right side, "Constrain" should be -- Constraint --.

In the Specification:

At Column 1, line 47, "process;" should be -- process, --.

At Column 2, lines 35-36, "multiple output" should be -- multiple-output --.

At Column 4, line 35, "multiple output" should be -- multiple-output --.

At Column 5, line 3, "an process" should be -- a process --.

MAILING ADDRESS OF SENDER (Please do not use customer number below):
Roger A. Heppermann
MARSHALL, GERSTEIN & BORUN LLP 1
233 S. Wacker Drive, Suite 6300
Sears Tower
Chicago, Illinois 60606-6357

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page _2_ of _2_

At Column 5, line 5, "integrate" should be -- integrates --.

At Column 5, line 24, "n" should be -- in --.

At Column 8, line 55, "and a" should be -- and an --.

At Column 10, line 49, "an" should be --a --.

At Column 10, line 66, "Q=P^tA*ΔMV+C^tΔMV" should be -- Q=P^t*A*ΔMV+C^tΔMV ---

At Column 24, line 11, "ATA" should be -- ATA --.

At Column 27, line 24, "ones" should be -- one --.

At Column 28, line 43, "an target" should be -- a target --.

In the Claims:

At Column 31, line 67, "response information response information" should be -- response information --.

At Column 34, line 7, "variables and;" should be -- variables; and --.

At Column 34, line 64, "multiple output" should be -- multiple-output --.

At Column 35, line 46, "multiple output" should be -- multiple-output --.

At Column 35, line 63, "multiple output" should be -- multiple-output --.

At Column 36, line 35, "multiple output" should be -- multiple-output --.

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Attention: Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: 2/12/07

MAILING ADDRESS OF SENDER (Please do not use customer number below): Roger A. Heppermann MARSHALL, GERSTEIN & BORUN LLP 233 S. Wacker Drive, Suite 6300 Sears Tower Chicago, Illinois 60606-6357